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Jameco Part Number 213225

MEAN WELL

SWITCHING POWER SUPPLY

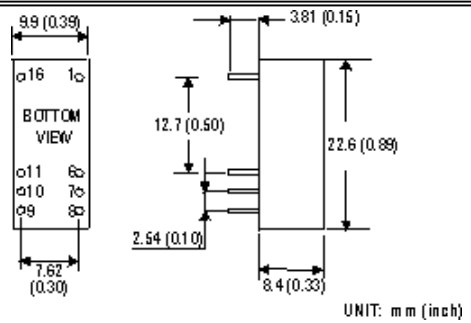
ISO-9001 CERTIFIED MANUFACTURER

SRS-05 SERIES

- .REGULATED DC OUTPUT
- .1000VDC I/O ISOLATION
- .3000VDC ISOLATION IS AVAILABLE
- .INPUT FILTER:CAPACITOR TYPE
- .INTERNAL SMD TECHNOLOGY
- .NO EXTERNAL COMPONENTS REQUIRED
- .HIGH RELIABILITY / LOW COST
- .100% BURN-IN TEST
- .MTBF:600,000 HOURS

MODEL / SPECIFICATION	SRS-0505	SRS-0509	SRS-0512	SRS-0515
DC OUTPUT VOLTAGE	5V	9V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	100mA	56mA	42mA	34mA
OUTPUT CURRENT RANGE	0-100mA	0-56mA	0-42mA	0-34mA
RIPPLE & NOISE	100mVp-p (max.)			
LINE REGULATION	± 1%	± 1%	± 1%	± 1%
LOAD REGULATION	± 1%	± 1%	± 1%	± 1%
DC OUTPUT POWER	0.5W	0.5W	0.5W	0.5W
EFFICIENCY	62%	60%	62%	62%
SWITCHING FREQUENCY	50KHz min.			
INPUT VOLTAGE RANGE	5V± 10% (4.5~5.5VDC)			
INPUT CURRENT	166mA max.			
SHORT CIRCUIT PROTECTION	MOMENTARY			
OVER VOLTAGE PROTECTION	----------			
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:1KVDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
ISOLATION CAPACITANCE	80pF max.			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	0.89"*0.39*0.33"			
WEIGHT	3.1g			
CASE METERIAL	NON-CONDUCTIVE PLASTIC			

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
1 & 16	+Vin
6 & 11	-Vout
7 & 10	+Vout
8 & 9	-Vin

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

1999-09-20

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SWITCHING POWER SUPPLY

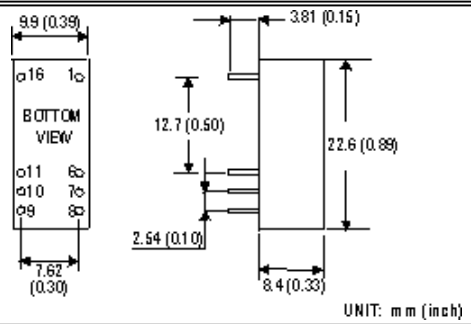
ISO-9001 CERTIFIED MANUFACTURER

SRS-12 SERIES

- .REGULATED DC OUTPUT
- .1000VDC I/O ISOLATION
- .3000VDC ISOLATION IS AVAILABLE
- .INPUT FILTER:CAPACITOR TYPE
- .INTERNAL SMD TECHNOLOGY
- .NO EXTERNAL COMPONENTS REQUIRED
- .HIGH RELIABILITY / LOW COST
- .100% BURN-IN TEST
- .MTBF:600,000 HOURS

MODEL / SPECIFICATION	SRS-1205	SRS-1209	SRS-1212	SRS-1215
DC OUTPUT VOLTAGE	5V	9V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	100mA	56mA	42mA	34mA
OUTPUT CURRENT RANGE	0-100mA	0-56mA	0-42mA	0-34mA
RIPPLE & NOISE	100mVp-p (max.)			
LINE REGULATION	± 1%	± 1%	± 1%	± 1%
LOAD REGULATION	± 1%	± 1%	± 1%	± 1%
DC OUTPUT POWER	0.5W	0.5W	0.5W	0.5W
EFFICIENCY	67%	63%	65%	65%
SWITCHING FREQUENCY	50KHz min.			
INPUT VOLTAGE RANGE	12V± 10% (10.8~13.2VDC)			
INPUT CURRENT	66mA max.			
SHORT CIRCUIT PROTECTION	MOMENTARY			
OVER VOLTAGE PROTECTION	----------			
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:1KVDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
ISOLATION CAPACITANCE	80pF max.			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	0.89"*0.39*0.33"			
WEIGHT	3.1g			
CASE METERIAL	NON-CONDUCTIVE PLASTIC			

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
1 & 16	+Vin
6 & 11	-Vout
7 & 10	+Vout
8 & 9	-Vin

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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MEAN WELL

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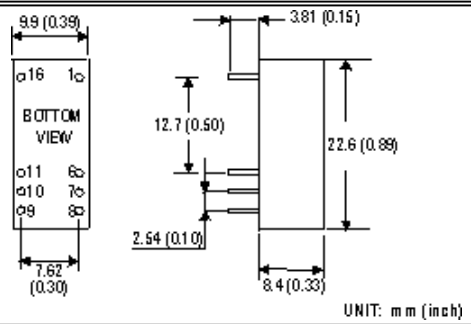
SRS-24 SERIES

.REGULATED DC OUTPUT
.1000VDC I/O ISOLATION
.3000VDC ISOLATION IS AVAILABLE
.INPUT FILTER:CAPACITOR TYPE
.INTERNAL SMD TECHNOLOGY
.NO EXTERNAL COMPONENTS REQUIRED
.HIGH RELIABILITY / LOW COST
.100% BURN-IN TEST
.MTBF:600,000 HOURS

MODEL / SPECIFICATION	SRS-2405	SRS-2409	SRS-2412	SRS-2415
DC OUTPUT VOLTAGE	5V	9V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	100mA	56mA	42mA	34mA
OUTPUT CURRENT RANGE	0-100mA	0-56mA	0-42mA	0-34mA
RIPPLE & NOISE	100mVp-p (max.)			
LINE REGULATION	± 1%	± 1%	± 1%	± 1%
LOAD REGULATION	± 1%	± 1%	± 1%	± 1%
DC OUTPUT POWER	0.5W	0.5W	0.5W	0.5W
EFFICIENCY	65%	65%	70%	70%
SWITCHING FREQUENCY	50KHz min.			
INPUT VOLTAGE RANGE	24V± 10% (21.6~26.4VDC)			
INPUT CURRENT	32mA max.			
SHORT CIRCUIT PROTECTION	MOMENTARY			
OVER VOLTAGE PROTECTION	----------			
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:1KVDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
ISOLATION CAPACITANCE	80pF max.			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	0.89"*0.39*0.33"			
WEIGHT	3.1g			
CASE METERIAL	NON-CONDUCTIVE PLASTIC			

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
1 & 16	+Vin
6 & 11	-Vout
7 & 10	+Vout
8 & 9	-Vin

NOTE :
1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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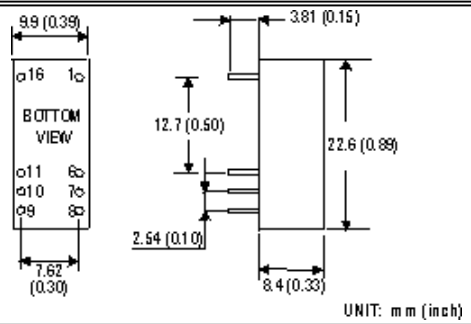
ISO-9001 CERTIFIED MANUFACTURER

SRS-48 SERIES

- .REGULATED DC OUTPUT
- .1000VDC I/O ISOLATION
- .3000VDC ISOLATION IS AVAILABLE
- .INPUT FILTER:CAPACITOR TYPE
- .INTERNAL SMD TECHNOLOGY
- .NO EXTERNAL COMPONENTS REQUIRED
- .HIGH RELIABILITY / LOW COST
- .100% BURN-IN TEST
- .MTBF:600,000 HOURS

MODEL / SPECIFICATION	SRS-4805	SRS-4809	SRS-4812	SRS-4815
DC OUTPUT VOLTAGE	5V	9V	12V	15V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	100mA	56mA	42mA	34mA
OUTPUT CURRENT RANGE	0-100mA	0-56mA	0-42mA	0-34mA
RIPPLE & NOISE	100mVp-p (max.)			
LINE REGULATION	± 1%	± 1%	± 1%	± 1%
LOAD REGULATION	± 1%	± 1%	± 1%	± 1%
DC OUTPUT POWER	0.5W	0.5W	0.5W	0.5W
EFFICIENCY	70%	70%	72%	72%
SWITCHING FREQUENCY	50KHz min.			
INPUT VOLTAGE RANGE	48V± 10% (43.2~52.8VDC)			
INPUT CURRENT	15mA max.			
SHORT CIRCUIT PROTECTION	MOMENTARY			
OVER VOLTAGE PROTECTION	----------			
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:1KVDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:500VDC / 100M Ohms MIN.			
ISOLATION CAPACITANCE	80pF max.			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	0.89"*0.39*0.33"			
WEIGHT	3.1g			
CASE METERIAL	NON-CONDUCTIVE PLASTIC			

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
1 & 16	+Vin
6 & 11	-Vout
7 & 10	+Vout
8 & 9	-Vin

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
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